

**Crystal Data:** Tetragonal. *Point Group:*  $4/m\ 2/m\ 2/m$ . Massive, as grains, to 1 mm.

**Physical Properties:** Hardness = n.d. VHN = 130–159, 142 average. D(meas.) = n.d. D(calc.) = 7.29

**Optical Properties:** Opaque. *Color:* Gray with yellowish tint; in polished section, pale rose. *Luster:* Metallic. *Anisotropism:* Weak.

$R_1$ – $R_2$ : n.d.

**Cell Data:** *Space Group:*  $I4/mmm$ .  $a = 3.2517$   $c = 4.9459$   $Z = 2$

**X-ray Powder Pattern:** Synthetic.

2.715 (100), 2.298 (36), 1.683 (24), 1.395 (23), 2.471 (21), 1.470 (16), 1.0904 (12)

**Chemistry:** Composition established by microspectrographic analysis.

**Occurrence:** In greisenized and albitized granite (Orlovskoye deposit, Russia).

**Association:** Silver (Orlovskoye deposit, Russia).

**Distribution:** In Russia, from the Orlovskoye tantalum deposit, eastern Transbaikal [TL], and an undefined locality in the Ukrainian Shield.

**Name:** From its indigo blue emission spectrum.

**Type Material:** A.E. Fersman Mineralogical Museum, Academy of Sciences, Moscow, Russia, vis54.

**References:** (1) Ivanov, V.V. (1964) Native indium. In: Geochemistry, mineralogy, and genetic types of deposits of rare elements, 2, 568–569. Izdatelstvo “Nauka” Moscow (1964) (in Russian). (2) (1967) Amer. Mineral., 52, 299 (abs. ref. 1). (3) Vlasov, K.A., Ed. (1966) Mineralogy of rare elements, v. II, 584–585. (4) (1954) NBS Circ. 539, 3, 12.